Author Index for Volume 11

ADLER, SHELDON, and DONALD S. FRALEY. Potassium and intracellular pH, 433

Agostini, Bruno, *See* MATTHEWS, HEIMBERG, RITZ, AGOSTINI, FRITZSCHE, and HASSELBACH, 227

Agus, Aslman S., *See* DEFRONZO, GOLDBERG, COOKE, BARKER, GROSSMAN, and AGUS, 357

Ambruster, Kent F.W., *See* GRACZ, ING, SOUNG, AMBRUSTER, SEIM, and MERKEL,71

ARRUDA, JOSE A.L., LUIZ NASCIMENTO, SURINDER K. KUMAR, and NEIL A. KURTZMAN. Factors influencing the formation of urinary carbon dioxide tension, 307

Banichahi, Ferrydown D., *See* DE SENARCLENS, PRICAM, BANICHAHI, and VALLOTTON, 161

Barker, Clyde, *See* DEFRONZO, GOLDBERG, COOKE, BARKER, GROSSMAN, and AGUS, 357

BAUMANN, KARL, YUN-LAI CHAN, FOLKERT BODE, and FRIDERUN PAPAVASSILIOU. Effect of parathyroid hormone and cyclic adenosine 3′,5′-monophosphate on isotonic fluid reabsorption: Polarity of proximal tubular cells, 77

Baxter, Claire R., *See* HORVATH, BAXTER, SHERBON, SMEE, ROCHE, UTHER, and TILLER, 136

Blok, Ary P.R., *See* VAN ES, BLOK, SCHOENFELD, and GLASSOCK, 106

Blondin, Joan, *See* RUTHERFORD, BLONDIN, MILLER, GREENWALT, and VAVRA, 62

Bode, Folkert, *See* BAUMANN, CHAN, BODE, and PAPAVASSILIOU, 77

Bordier, Philippe J., *See* DRUEKE, BORDIER, MAN, JUNGERS, and MARIE, 267

Brown, Robert S., *See* SILVA, BROWN, and EPSTEIN, 466

Brunner, Dorette B., *See* POSTERNAK, BRUNNER, GAVRAS, and BRUNNER, 197

Brunner, Hans R., *See* POSTERNAK, BRUNNER, GAVRAS, and BRUNNER, 197

Carvalho, Jaime S., *See* CHURCHILL, ZARLENGO, CARVALHO, GOTTLIEB, and OKEN, 246
See also, LANDWEHR, CARVALHO, and OKEN, 9

Chan, Yun-Lai, *See* BAUMANN, CHAN, BODE, and PAPAVASSILIOU, 77

CHANT, SUE, and MELVIN SILVERMAN. Immunologic characterization of plasma membranes from the renal proximal tubule of the dog, 348

Chantler, Cyril, *See* HOLLIDAY, CHANTLER, MACDONNELL, and KEITGES, 236

Chin, Byoung, *See* GUTKIN, PERL, DAS, CHIN, and MODLINGER, 190

CHURCHILL, SUSANNE, MARCO D. ZARLENGO, JAIME S. CARVALHO, MICHAEL N. GOTTLIEB, and DONALD E. OKEN. Normal renocortical blood flow in experimental acute renal failure, 246

Cohen, Loren H., *See* FLINN, COHEN, and STEINMETZ, 261

Cooke, C. Robert, *See* DEFRONZO, GOLDBERG, COOKE, BARKER, GROSSMAN, and AGUS, 357

Corvol, P.L., *See* LONDON, SAFAR, WEISS, CORVOL, LEHNER, MENARD, SIMON, and MILLIEZ, 204

COUSER, WILLIAM G., MAGDA M. STILMANT, AND NANCY B. JERMANOVICH. Complement-independent nephrotoxic nephritis in the guinea pig, 170

Das, Bodh N., *See* GUTKIN, PERL, DAS, CHIN, and MODLINGER, 190

DEFRONZO, RALPH A., MARTIN GOLDBERG, C. ROBERT COOKE, CLYDE BARKER, ROBERT A. GROSSMAN, and ZALMAN S. AGUS. Investigations into the mechanisms of hyperkalemia following renal transplantation, 357

DE SENARCLENS, CLAUDE F., CLAUDE E. PRICAM, FERRYDOWN D. BANICHAHI, and MICHEL B. VALLOTTON. Renin synthesis, storage and release in the rat: A morphological and biochemical study, 161

Dieu, Jean-Paul, *See* VAN YPERSELE DE STRIHOU and DIEU, 335

Dirks, John H., *See* SEELY and DIRKS, 1

DRÜEKE, TILMAN, PHILIPPE J. BORDIER, NGUYEN K. MAN, PAUL JUNGERS, and PIERRE MARIE. Effects of high dialysate calcium concentration on bone remodelling, serum biochemistry, and parathyroid hormone in patients with renal osteodystrophy, 267

EAGEN, JEREMIAH W., and EDMUND J. LEWIS, Glomerulopathies of neoplasia, 297

EMMANOUEL, DIMITRIOS S., MARSHALL D. LINDHEIMER, and ADRIAN I. KATZ. Uremia in rats with normal kidneys: A model for the study of renal function in a uremic environment, 209

Epstein, Franklin H., *See* SILVA, BROWN, and EPSTEIN, 466

FLINN, JOHN T., LOREN H. COHEN, and PHILIP R. STEINMETZ. Acidifying defect induced by amphotericin B: Comparison of bicarbonate and hydrogen ion permeabilities, 261

Fraley, Donald S., *See* ADLER and FRALEY, 433

Fritzsche, Jochen, *See* MATTHEWS, HEIMBERG, RITZ, AGOSTINI, FRITZSCHE, and HASSELBACH, 227

Frölich, Jürgen C., *See* WILLIAMS, FRÖLICH, NIES, and OATES, 256

Gavras, Haralambos, *See* POSTERNACK, BRUNNER, GAVRAS, and BRUNNER, 197

Glassock, Richard J., *See* VAN ES, BLOK, SCHOENFELD, and GLASSOCK, 106

Goldberg, Martin, *See* DEFRONZO, GOLDBERG, COOKE, BARKER, GROSSMAN, and AGUS, 357

Gomba, Sz., *See* ROBINSON, MIRKOVITCH, and GOMBA, 86

Gottlieb, Michael N., *See* CHURCHILL, ZARLENGO, CARVALHO, GOTTLIEB, and OKEN, 246

GRACZ, KENNETH C., TODD S. ING., LIAN-SEN SOUNG, KENT F.W. AMBRUSTER, SANDRA K. SEIM, and FREDERICK K. MERKEL. Proximal forearm fistula for maintenance hemodialysis, 71

Greenwalt, Allen S., *See* RUTHERFORD, BLONDIN, MILLER, GREENWALT, and VAVRA, 62
Grossman, Robert A., *See* DEFRONZO, GOLDBERG, COOKE, BARKER, GROSSMAN, and AGUS, 357
GUTKIN, MICHAEL, WILLIAM PERL, BODH N. DAS, BYOUNG CHIN, and ROBERT S. MODLINGER. Individual renal clearances determined at renal vein catheterization, 190

Harrington, John T., *See* KASSIRER and HARRINGTON, 505
HARRIS, ROBERT H., and WILLIAM E. YARGER. Urine-reinfusion natriuresis: Evidence for potent natriuretic factors in rat urine, 93
Hasselbach, Wilhelm, *See* MATTHEWS, HEIMBERG, RITZ, AGOSTINI, FRITZSCHE, and HASSELBACH, 227
Hayashi, James, *See* TOLCHIN, ROBERTS, HAYASHI, and LEWIS, 366
Heimberg, Karl-Wilhelm, *See* MATTHEWS, HEIMBERG, RITZ, AGOSTINI, FRITZSCHE, and HASSELBACH, 277
Hill, Cynthia, *See* HOFFSTEN, VILLALOBOS, HILL, and KLAHR, 318
Hishida, Akira, *See* SUDO, HONDA, HISHIDA, and NAGASE, 35
HOFFSTEN, PHILLIP E., RICHARD VILLALOBOS, CYNTHIA HILL, and SAULO KLAHR. T-cell deficiency in immune complex glomerulonephritis, 318
HOLLIDAY, MALCOLM A., CYRIL CHANTLER, ROBERT MACDONNELL, and JULIE KEITGES. Effect of uremia on nutritionally-induced variations in protein metabolism, 236
Honda, Nishio, *See* SUDO, HONDA, HISHIDA, and NAGASE, 35
HORNYCH, HELENA, and GABRIEL RICHET. Dissociated effect of sodium intake on glomerular and pressor responses to angiotensin, 28
HORVATH, JOHN S., CLAIRE R. BAXTER, K. SERBON, I. SMEE, J. ROCHE, J. B. UTHER, and D. J. TILLER. An analysis of errors found in renal vein sampling for plasma renin activity, 136

IMAI, MASASHI, DONALD W. SELDIN, and JUHA P. KOKKO. Effect of perfusion rate on the fluxes of water, sodium, chloride, and urea across the proximal convoluted tubule, 18
Ing, Todd S., *See* GRACZ, ING, SOUNG, AMBRUSTER, SEIM, and MERKEL, 71

Jermanovich, Nancy B., *See* COUSER, STILMANT, and JERMANOVICH, 170
Jungers, Paul, *See* DRUEKE, BORDIER, MAN, JUNGERS, and MARIE, 267

KASSIRER, JEROME P., and JOHN T. HARRINGTON. Diuretics and potassium metabolism: A reassessment of the need, effectiveness and safety of potassium therapy, 505
Katz, Adrian I., *See* EMMANOUEL, LINDHEIMER, and KATZ, 209
Keitges, Julie, *See* HOLLIDAY, CHANTLER, MACDONNELL, and KEITGES, 236
KIIL, FREDRIK. Renal energy metabolism and regulation of sodium reabsorption, 153
Klahr, Saulo, *See* HOFFSTEN, VILLALOBOS, HILL, and KLAHR, 318
KNOCHEL, JAMES P. Role of glucoregulatory hormones in potassium homeostasis, 443
Kokko, Juha P., *See* IMAI, SELDIN, and KOKKO, 18

Kumar, Surinder K., *See* ARRUDA, NASCIMENTO, KUMAR, and KURTZMAN, 307
Kurtzman, Neil A., *See* ARRUDA, NASCIMENTO, KUMAR, and KURTZMAN, 307

LANDWEHR, DOUGLAS M., JAIME S. CARVALHO, and DONALD E. OKEN. Micropuncture studies of the filtration and absorption of albumin by nephrotic rats, 9
Lehner, J. B., *See* LONDON, SAFAR, WEISS, CORVOL, LEHNER, MENARD, SIMON, and MILLIEZ, 204

Lewis, Edmund J., *See* EAGEN and LEWIS, 297
See also TOLCHIN, ROBERTS, HAYASHI, and LEWIS, 366
Lietman, Paul S., *See* MITCH, LIETMAN, and WALSER, 116
Lindheimer, Marshall D., *See* EMMANOUEL, LINDHEIMER, and KATZ, 209
LONDON, G.M., M.E. SAFAR, Y.A. WEISS, P.L. CORVOL, J.P. LEHNER, J.M. MENARD, A.C. SIMON, and P.L. MILLIEZ. Volume-dependent parameters in essential hypertension, 204
LOWENSTEIN, JEROME, and JOHN M. STEELE, JR. Aldosterone production during dietary sodium restriction and beta-adrenergic blockade, 128

MacDonnell, Robert, *See* HOLLIDAY, CHANTLER, MACDONNELL, and KEITGES, 236
MACKNIGHT, ANTHONY D. C. Epithelial transport of potassium, 391
Man, Nguyen K., *See* DRUEKE, BORDIER, MAN, JUNGERS, and MARIE, 267
Marie, Pierre, *See* DRUEKE, BORDIER, MAN, JUNGERS, and MARIE, 267
MATTHEWS, CLIFFORD, KARL-WILHELM HEIMBERG, EBERHARD RITZ, BRUNO AGOSTINI, JOCHEN FRITZSCHE, and WILHELM HASSELBACH. Effect of 1, 25-dihydroxycholecalciferol on impaired calcium transport by the sarcoplasmic reticulum in experimental uremia, 227
Menard, J. M., *See* LONDON, SAFAR, WEISS, CORVOL, LEHNER, MENARD, SIMON, and MILLIEZ, 204
Merkel, Frederick K., *See* GRACZ, ING, SOUNG, AMBRUSTER, SEIM, and MERKEL, 71
Miller, J. Philip, *See* RUTHERFORD, BLONDIN, MILLER, GREENWALT, and VAVRA, 62
Milliez, P. L., *See* LONDON, SAFAR, WEISS, CORVOL, LEHNER, MENARD, SIMON, and MILLIEZ, 204
Mirkovitch, V., *See* ROBINSON, MIRKOVITCH, and GOMBA, 86
MITCH, WILLIAM E., PAUL S. LIETMAN, and MACKENZIE WALSER. Effects of oral neomycin and kanamycin in chronic uremic patients: I. Urea metabolism, 116
MITCH, WILLIAM E., and MACKENZIE WALSER. Effects of oral neomycin and kanamycin in chronic uremic patients: II. Nitrogen balance, 123
Modlinger, Robert S., *See* GUTKIN, PERL, DAS, CHIN, and MODLINGER, 190

Nagase, Mitsumasa, *See* SUDO, HONDA, HISHIDA, and NAGASE, 35
Nascimento, Luiz, *See* ARRUDA, NASCIMENTO, KUMAR, and KURTZMAN, 307
Nies, Alan S., *See* WILLIAMS, FRÖLICH, NIES, and OATES, 256

Oates, John A., *See* WILLIAMS, FRÖLICH, NIES, and OATES, 256

Oken, Donald E., *See* CHURCHILL, ZARLENGO, CARVALHO, GOTTLIEB, and OKEN, 246
See also LANDWEHR, CARVALHO, and OKEN, 9
OOI, YUET M., ENRIQUE H. VALLOTA, and CLARK D. WEST. Serum immune complexes in membranoproliferative and other glomerulonephritides, 275

Papavassiliou, Friederun. *See* BAUMANN, CHAN, BODE, and PAPAVASSILIOU, 77
PATRICK, JOHN. Assessment of body potassium stores, 476
Perl, William, *See* GUTKIN, PERL, DAS, CHIN, and MODLINGER, 190
POSTERNAK, LAURENCE, HANS R. BRUNNER, HARALAMBOS GAVRAS, and DORETTE B. BRUNNER. Angiotensin-II blockade in normal man: Interaction of renin and sodium in maintaining blood pressure, 197
Pricam, Claude E., *See* DE SENARCLENS, PRICAM, BANICHAHI, and VALLOTTON, 161

Reaven, Gerald M., *See* SANFELIPPO, SWENSON, and REAVEN, 54
RENNKE, HELMUT G., and MANJERI A. VENKATACHALAM. Glomerular permeability: *In vivo* tracer studies with polyanionic and polycationic ferritins, 44
Richet, Gabriel, *See* HORNYCH and RICHET, 28
Ritz, Eberhard, *See* MATTHEWS, HEIMBERG, RITZ, AGOSTINI, FRITZSCHE, and HASSELBACH, 227
Roberts, Jimmy L., *See* TOLCHIN, ROBERTS, HAYASHI, and LEWIS, 366
ROBINSON, J.W.L., V. MIRKOVITCH, and SZ. GOMBA. Alterations in the dog renal tubular epithelium during normothermic ischemia, 86
Roche, J., *See* HORVATH, BAXTER, SHERBON, SMEE, ROCHE, UTHER, and TILLER, 136
RUTHERFORD, W. ERNEST, JOAN BLONDIN, J. PHILIP MILLER, ALLEN S. GREENWALT, and JOHN D. VAVRA. Chronic progressive renal disease: Rate of change of serum creatinine concentration, 62

Safar, M.E., *See* LONDON, SAFAR, WEISS, CORVOL, LEHNER, MENARD, SIMON, and MILLIEZ, 204
SANFELIPPO, MARY L., ROBERT S. SWENSON, and GERALD M. REAVEN. Reduction of plasma triglycerides by diet in subjects with chronic renal failure, 54
Schoenfeld, Leon, *See* VAN ES, BLOK, SCHOENFELD, and GLASSOCK, 106
SEELY, JOHN F., and JOHN H. DIRKS. Site of action of diuretic drugs, 1
Seim, Sandra K., *See* GRACZ, ING, SOUNG, AMBRUSTER, SEIM, and MERKEL, 71
Seldin, Donald W., *See* IMAI, SELDIN, and KOKKO, 18
Sherbon, K., *See* HORVATH, BAXTER, SHERBON, SMEE, ROCHE, UTHER, and TILLER, 136
SILVA, PATRICIO, ROBERT S. BROWN, and FRANKLIN H. EPSTEIN. Adaptation to potassium, 466
Silverman, Melvin, *See* CHANT and SILVERMAN, 348
Simon, A.C., *See* LONDON, SAFAR, WEISS, COVOL, LEHNER, MENARD, SIMON, and MILLIEZ, 204
Smee, I., *See* HORVATH, BAXTER, SHERBON, SMEE, ROCHE, UTHER, and TILLER, 136
SMITHLINE, NEIL. Evidence that alterations in distal sodium delivery and distal sodium avidity affect the rate of excretion of an acute HCl load, 181
Soung, Lian-Sen, *See* GRACZ, ING, SOUNG, AMBRUSTER, SEIM, and MERKEL, 71
Steele, John M., Jr., *See* LOWENSTEIN and STEELE, 128
STEELE, THOMAS H. Renal response to phosphorus deprivation: Effect of the parathyroids and bicarbonate, 327
Steinmetz, Philip R., *See* FLINN, COHEN, and SEINMETZ, 261
Stilmant, Magda M., *See* COUSER, STILMANT, and JERMANOVICH, 170
SUDO, MUTSUO, NISHIO HONDA, AKIRA HISHIDA, and MITSUMASA NAGASE. Renal hemodynamics in uranyl acetate-induced acute renal failure of rabbits, 35
Swenson, Robert S., *See* SANFELIPPO, SWENSON, and REAVEN, 54

TANNEN, RICHARD L. Introduction to Symposium on Potassium Homeostasis, 389
TANNEN, RICHARD L.Relationship of renal ammonia production and potassium homeostasis, 453
Tiller, D.J., *See* HORVATH, BAXTER, SHERBON, SMEE, ROCHE, UTHER, and TILLER, 136
TOLCHIN, NATHAN, JIMMY L. ROBERTS, JAMES HAYASHI, and EDMUND J. LEWIS. Metabolic consequences of high mass-transfer hemodialysis, 366

Uther, J. B., *See* HORVATH, BAXTER, SHERBON, SMEE, ROCHE, UTHER, and TILLER, 136

Vallota, Enrique H., *See* OOI, VALLOTA and WEST, 265
Vallotton, Michel B., *See* DE SENARCLENS, PRICAM, BANICHAHI, and VALLOTTON, 161
VAN ES, LEENDERT A., ARY P. R. BLOK, LEON SCHOENFELD, and RICHARD J. GLASSOCK. Chronic nephritis induced by antibodies reacting with glomerular-bound immune complexes, 106
VAN YPERSELE DE STRIHOU, CHARLES. Potassium homeostasis in renal failure, 491
VAN YPERSELE, CHARLES, and JEAN-PAUL DIEU. Potassium deficiency acidosis in the dog: Effect of sodium and potassium balance on renal response to a chronic acid load, 335
Vavra, John D., *See* RUTHERFORD, BLONDIN, MILLER, GREENWALT, and VAVRA, 62
Venkatachalam, Manjeri A., *See* Rennke and VENKATACHALAM, 44
Villalobos, Richard, *See* HOFFSTEN, VILLALOBOS, HILL, and KLAHR, 318

Walser, Mackenzie, *See* MITCH, LIETMAN, and WALSER, 116
See also MITCH and WALSER, 123
Weiss, Y.A., *See* LONDON, SAFAR, WEISS, CORVOL, LEHNER, MENARD, SIMON, and MILLIEZ, 204
West, Clark D., *See* OOI, VALLOTA, and WEST, 275
WILLIAMS, WALTER M., JÖRGEN C. FRÖLICH, ALAN S. NIES, and JOHN A. OATES. Urinary prostaglandins: Site of entry into renal tubular fluid, 256
WRIGHT, FRED S. Sites and mechanisms of potassium transport along the renal tubule, 415

Yarger, William E., *See* HARRIS and YARGER, 93

Zarlengo, Marco D., *See* CHURCHILL, ZARLENGO, CARVALHO, GOTTLIEB, and OKEN, 246

Subject Index

Acetate
  metabolic rate: in hemodialysis, 366
Acetylcoenzyme A
  and plasma lipid patterns: in high mass-transfer hemodialysis, 366
Acid-base balance
  in chronic hemodialysis (abstr.), 149
  during high mass-transfer of sodium acetate in hemodialysis, 366
  hydrogen vs. bicarbonate ionic permeabilities in urinary acidification, 261
  potassium homeostasis and, 433
    in renal failure, 499
  sodium transport in distal tubule and, 181
Acidosis
  hyperchloremic: and hyperkalemia following renal transplantation, 357
  metabolic: human kidney adaptation to (abstr.), 149
  potassium deficiency *a.*: effect of sodium and potassium balance on, 335
    intracellular, 433
  tubular *a.*: and urinary carbon dioxide tension, 307
    and sodium transport in distal tubule, 181
Acid phosphatase
  during normothermic ischemia: study of tubular epithelium, 86
Acinar cells
  and transepithelial movements of potassium, 397
Adenosine triphosphatase, *See also* Sodium-potassium activated adenosine triphosphatase and potassium homeostasis, 391
  role in postischemic reduction of renal blood flow and glomerular filtration rate (abstr.), 217
Adenylate cyclase
  potassium transport in tubules and, 418
  in proximal tubule: activation of by PTH, 77
Adrenalectomy, bilateral
  in study of renin synthesis, storage, and release in rat, 161
Adrenergic system
  during sodium restriction, 128
  receptors: and serum potassium, 444
l-Alanine
  effect on tubular perfusion rate, 18
Albumin
  albuminuria: filtration and absorption micropuncture study in nephrotic rat, 9
  glomerular sieving coefficient for (abstr.), 220
  in nephrotoxic nephritis: complement-independent, 170
  metabolism: in nephrotic rat, 9
  serum *a.*: lowers short-circuit current in toad skin (abstr.), 287
Aldosterone, *See also* Renin
  production of, during dietary sodium restriction and β-adrenergic blockade, 128
Alkalosis, metabolic
  effect on respiratory function in patients with chronic obstructive lung disease (abstr.), 379
Aluminum hydroxide
  as therapy for renal osteodystrophy (abstr.), 381
Allografts, renal
  cells infiltrating: surface properties and functional characteristics of (abstr.), 142
  glomerulopathy in (abstr.), 218
Amikacin
  pharmacokinetics of, in normal and impaired renal function (abstr.), 291
Amino acids
  in plasma and erythrocytes in uremia (abstr.), 143
  in dialysate (abstr.), 215
ϵ-Aminocapronic acid
  for Goldblatt-type hypertension (abstr.), 214
Aminoglycoside
  effect on chronic uremia: during neomycin and kanamycin therapy, 123
Aminopeptidase
  role in mediating aldosterone production during sodium depletion, 128
Ammonia
  intestinal *a.*: in chronic renal failure, 116
  production
    in chronic renal insufficiency: alternative metabolic pathways for (abstr.), 144
    effect of glutaminase inhibition by methylguanidine on (abstr.), 139
    effect of potassium deficiency on, 335
    and potassium homeostasis, 453
Amphotericin B
  urinary acidification induced by: comparison of bicarbonate and hydrogen ion permeabilities, 261
Amyloidosis, renal
  familial study (abstr.), 285
  tuberculosis (abstr.), 284
Analgesic nephropathy
  renal tubular dysfunction in (abstr.), 287
Anemia, uremic
  in chronic renal disease
    histidine metabolism (abstr.), 145
    treatment of (abstr.), 144
  of dialysis: nandrolone decanoate therapy for (abstr.), 380
  dialysis for
    in children with chronic renal failure (abstr.), 146
    glucose-6-phosphate dehydrogenase and pyruvate kinase in erythrocytes (abstr.), 146
    hemodialysis effects on (abstr.), 142
  hormone factors in (abstr.), 146
  pathogenesis of (abstr.), 139, 144, 145
Aneurysmal lesions
  and penicillin therapy (abstr.), 293

Angiotensin
angiotensin II blockade: interaction of renin and sodium in maintaining blood pressure, 197
des-*1*-apartyl-angiotensin II: role in aldosterone production during sodium restriction, 128
essential hypertension and, 204
sodium intake's effect on glomerular and pressor responses to, 28
Antibiotics
pharmacokinetics of, in normal and impaired renal function (abstr.), 291
as therapy for chronic uremia
effect on nitrogen balance, 123
effect on urea metabolism, 116
Antibody studies, *See* Immunology
Antidiuretic hormone
and distal sodium transport: effect on acid excretion, 181
inappropriate secretion of: lithium therapy for (abstr), 379
Ascitic fluid
analysis of: to monitor peritoneal dialysis (abstr.), 382
Asprin
vs. indomethacin for nephrotoxic serum nephritis (abstr.), 148
Atenolol
for severe arterial hypertension (abstr.), 289
Atherosclerosis
hypertriglycerides related to: dietary modification of, 54

Bacterial infection
as cause of interstitial nephropathy: diagnosis of (abstr.), 144
Bacteriostasis
effect of neomycin and kanamycin on, in chronic uremia, 123
Bartter's syndrome
in children: ibuprofen therapy for (abstr.), 384
Basement membrane, tubular
in multiple myeloma (abstr.), 292
BAY g 2821
action at sites of transepithelial transport (abstr.), 213
Bicarbonate
calculations for kinetics of: in hemodialysis, 366
effect on cellular potassium in chronic renal failure (abstr.), 140
effect on tubular perfusion rate, 18
ionic permeability in urinary acidification, 261
in plasma: acid intake and, 335
sodium *b.*
effect on renal response to phosphorus deprivation, 327
effect on urinary P_{CO_2}, 307
Biopsy, renal
ultrasonographic localization of kidney for (abstr.), 287
Blood flow, renocortical
in acute renal failure, 246
Blood pressure
interaction of sodium and renin to maintain, 197
role in edema in rats with aorta-to-vena cava fistula (abstr.), 216
Bone remodelling
high calcium dialysate's effect on, 267
Brush border membrane
antibody against: its antigenic determinants (abstr.), 380

Calcifications, ectopic
in chronic hemodialysis patients: diphosphonate's effect on (abstr.), 144
Calcium
in dialysate: for osteodystrophy, 267, 381 (abstr.)
nephrolithiasis, idiopathic: role of urine saturation with brushite and urine inhibitors of calcification (abstr.), 383
stores: tubular ectasia as cause of (abstr.), 384
transport: dihydroxycholecalciferol's effect on, by sarcoplasmic reticulum in uremia, 227
Carbohydrate
metabolism: in potassium deficiency, 449
plasma triglycerides reduced by dietary reduction of, 54
Carbon dioxide tension
urinary: factors influencing the formation of, 307
Carbonic anhydrase
effect on sodium reabsorption in proximal tubule, 153
Carcinomas
and immune complex glomerulopathy, 297
Catecholamines
role in potassium regulation, 443, 472
Catheters, permanent peritoneal
effectiveness of (abstr.), 382
Celiac sprue
immune complex glomerulonephritis secondary to (abstr.), 381
Cerebrospinal fluid
and transepithelial movements of potassium, 402
Chloride
in proximal tubule: effect of perfusion rate on, 18
role in intracellular pH, 438
Cholecalciferol therapy, *See* Hydroxycholecalciferol and Vitamin D,
Cimetidine
use of, in anephric man (abstr.), 284
Cirrhosis
demeclocycline therapy for (abstr.), 289, 292
Clearances studies, renal
determined by renal vein catheterization, 190
dopamine's effect on (abstr.), 215
individual renal measurements using early part of ^{131}I-hippuran renogram (abstr.), 289
in model for uremia, 209
PAH extraction dependency on renal filtration fraction (abstr.), 215
Coagulation
reused membranes in dialysis, effect on (abstr.), 141
Conn syndrome
inhibitor of sodium transport in normal vs. patient with (abstr.), 290
Contraluminal cell membrane
and isotonic fluid reabsorption: effect of parathyroid hormone and cAMP, 77
Cortical blood flow
in acute renal failure, 246
Creatinine, *See also* Clearance
studies rate of change of: in progressive renal disease, 62
Cryoglobulinemia, essential mixed
serum complement and (abstr.), 149
Cyclic adenosine-3',5'-monophosphate
effect on isotomic fluid reabsorption of proximal tubular cells, 77

Deca-Durabolin, *See* Nandrolone decanoate

Demeclocycline
effect on cirrhotic patients with intractable ascites and edema (abstr.), 292
Diabetes mellitus
potassium regulation in, 447
Dialysate, *See also* Dialysis
amino acids in (abstr.), 215
high calcium in: effect on bone remodelling, serum biochemistry, and parathyroid hormone in renal osteodystrophy, 267
Dialysis, *See also* Hemodialysis
adjustment by neurophysiologic parameters (abstr.), 216
anemia of: nandrolone decanoate therapy report (abstr.), 380
effect on erythropoietic changes in chronic uremia (abstr.), 140
for children with chronic renal failure (abstr.), 146
inhibition of spontaneous rosette formation in patients on (abstr.), 144
leukocyte-depleted: therapy for (abstr.), 218
long-term effects on plasma protein concentration (abstr.), 143
maintenance *d.*
in children: an evaluation (abstr.), 148
facilities for, in S. Africa (abstr.), 284
osteopenia: fluoride in (abstr.), 214
peritoneal *d.*
effectiveness of three permanent catheters for (abstr.), 382
epidemic of aseptic peritonitis during (abstr.), 382
monitoring of: by analysis of ascitic fluid (abstr.), 382
reused membranes: effect on coagulation (abstr.), 141
sodium dialysate concentration study: to prevent osmotic imbalances (abstr.), 148
and transplantation: an integrated program (abstr.), 141
for uremic anemia: glucose-6-phosphate dehydrogenase and pyruvate kinase in erythrocytes (abstr.), 146
Dialyzers
in vivo evaluation of (abstr.), 148
Diet therapy
for children undergoing chronic hemodialysis (abstr.), 149
for uremia
chronic *u.* (abstr.), 145
variations in protein metabolism, 236
to reduce plasma triglycerides, 54
1, 25-dihydroxycholecalciferol, *See* Vitamin D
Diphosphonate
effect on ectopic calcifications in chronic hemodialysis patients (abstr.), 144
Diuretics
and edema: potassium balance, 507
effect on transepithelial sodium transport (abstr.), 213
and potassium metabolism: a reassessment of the need, effectiveness, and safety of potassium therapy, 505
site of action of, 1
Diurnal pattern
of muscle protein synthesis, 236
Dopamine
efect on renal excretion and reabsorption of fluids and electrolytes (abstr.), 215

Edema
and diuretics: potassium balance, 507
Electrolyte
excretion
effect of glucagon on, 445
effect of potassium homeostasis on, 453
depletion: mechanism of response to acid load studied, 335
regulation: *See* Symposium on Potassium Homeostasis, 389
Electrophysiology
electrical potentials
in epithelia: potassium homeostasis, 391
and potassium movement in tubules, 422
serum albumin lowers short-circuit current in toad skin (abstr.), 287
Encephalopathy
chronic dialysis with (abstr.), 288
Endocrine glands
response to hyperkalemia, 446
Epithelium
potassium transport across, 391
Estrogen
effect on Goldblatt-type hypertension (abstr.), 214
Exercise
potassium, insulin, and glucagon activity during, 448
Exocrine glands
and transepithelial movements of potassium, 396
Extracellular fluid volume
role in acid excretion, 181

Fasting
effect on protein metabolism in uremia, 236
Ferritins
glomerular permeability to, 44
Fibrin-fibrinogen
metabolism: in chronic uremic patients undergoing periodic hemodialysis (abstr.), 139
in renal disease (abstr.), 142
Fistula
aorta to vena cava: role of blood pressure in edema of rats with (abstr.), 216
proximal forearm: for maintenance hemodialysis, 71
Floride
for chronic renal insufficiency and dialysis osteopenia (abstr.), 214
Flow distribution, intrarenal
in acute renal failure, 35
Formaldehyde
i.v. administration of: risks to patients on hemodialysis (abstr.), 292
Furosemide
antihypertensive effect of: mechanism of (abstr.), 140
for glomerulonephritis: effect on plasma renin and sodium excretion (abstr.), 142

Gastrointestinal system
excretion of potassium, in renal failure, 494
role in potassium homeostasis, 402, 466
Gentamicin
effect in kidney (abstr.), 290
serum concentration predictability of: in renal failure (abstr.), 380
Glomerulonephritis
in African children (abstr.), 284
basophils-mediating immune system in (abstr.), 139
chronic g.: pathogenesis of, 106

with epithelial crescents: clinico-pathologic review (abstr.), 383
furosemide injection for: effect on plasma renin and sodium excretion (abstr.), 142
immune complex *g.*
d-penicillamine and (abstr.), 219
glomerular cell proliferation in (abstr.), 147
secondary to celiac sprue (abstr.), 381
T-cell deficiency in, 318
inhibition of complement-dependent lymphocyte rosette formation by sera of patients with (abstr.), 290
membranoproliferative *g*: serum immune complexes in, 275
membranous *g.*
with extrarenal disorders in children (abstr.), 291
role of steroids in (abstr.), 382
origin of edemas in (abstr.), 290
postinfective *g.*: immunofluorescence study of (abstr.), 143
rapidly progressive *g.*: sickle cell thalassemia with (abstr.), 288
Glomerulopathy
and neoplastic diseases, 297
phosphate reabsorption during extracellular volume expansion in patients with (abstr.), 147
Glomerulotubular balance
regulation of sodium reabsorption and, 153
Glomerulus
basement membrane: and nephrotoxic nephritis, complement-independent increased permeability to albumin, 170
chronic nephritis induced by antibodies reacting with immune complexes at, 106
epithelium: ultrastructure, in minimal change nephrosis (abstr.), 141
filtration rate
during urine-reinfusion natriuresis, 93
and regulation of sodium reabsorption, 153
urinary carbon dioxide tension and, 307
mesangium
clearance of toxins studied (abstr.), 219
EM study in rat (abstr.), 215
pathogenetic role of immunologic reactions (abstr.), 220
permeability to ferritins, 44
receptors for C3b (abstr.), 143
response to angiotensin: effect of Na intake on, 28
structure of: reconstruction with semi-thin sections (abstr.), 213
Glucagon
and potassium adaptation, 472
role in potassium regulation, 443
Glucocorticoid hormones
role in diluting segment of loop of Henle (abstr.), 215
Glucoregulatory hormones
role in potassium homeostasis, 443
Glucose
effect on diet-induced variations in protein metabolism in uremia, 236
effect on tubular perfusion rate, 18
renal production of: test for preserved kidney tubules for transplantation (abstr.), 214
Glycoproteins
in glomerular filter, 44
Goormaghtigh cells
function of: speculation (abstr.), 217
Hemodialysate, *See also* Dialysate
standarization of, for South African dialysis program (abstr.), 284
Hemodialysis, *See also* Dialysis
chronic
acid-base balance in patients on (abstr.), 149
in children: diet therapy with (abstr.), 149
effect of diphosphonate on ectopic calcifications in (abstr.), 144
nutritional status of, in Johannesburg (abstr.), 285
thyroid function during: pathophysiology (abstr.), 224
effect of age and exercise on cardiac reflexes of healthy patients on (abstr.), 286
effects on uremic anemia (abstr.), 142
high mass-transfer *h.*: metabolic consequences of, 366
isoniazid *h.*: in membranoproliferative glomerulonephritis (abstr.), 286
maintenance *h.*: proximal forearm fistula for, 71
periodic *h.*: fibrinogen metabolism in (abstr.), 139
spurious hypocalcemia in patients on (abstr.), 379
risks of i.v. formaldehyde administration to patients on (abstr), 292
Hemodynamics, renal
in acute renal failure, 35
during urine-reinfusion natriuresis, 93
Hemolytic-uremic syndrome
familial postpartum occurrence (abstr.), 222
immunologic results in (abstr.), 220
long-term follow-up of children with (abstr.), 288
local plasminogen activator activity in (abstr.), 224
Histidine
metabolism in patients with chronic renal failure (abstr.), 145
Hodgkin's disease
glomerulopathies and, 297
Hormones
deficiency in chronic uremia: FSH, LH, testosterone, 141
factors in uremic anemia (abstr.), 146
in potassium homeostasis, 466
Hydrogen
cellular: and potassium homeostasis, 433
ion permeability: in urinary acidification, 261
ion transport: determinants for (abstr.), 216
Hydroxycholecalciferol, *See also* Vitamin D
for uremic osteodystrophy (abstr.), 140
Hypercalcemia
secondary to corticotherapy in dialyzed patient with polyvinylpyrrolidone thesaurismosis (abstr.), 293
Hyperchloremic metabolic acidosis
sodium transport in distal tubule and, 181
Hyperkalemia
and intracellular pH, 439
mechanisms of, after renal transplantation, 357
Hyperlipidemia
dietary control of, 54
Hyperplasia
structure of juxtaglomerular apparatus in (abstr.), 213
Hypertension
atenolol therapy for (abstr.), 289
in aortic coarctation: blood volume factor (abstr.), 223
day-night rhythms of renin and aldosterone in young patients with (abstr.), 216
essential *h.*:
vasopressin and plasma renin activity in: vs. normal (abstr.), 220

volume-dependent parameters in, 204
furosemide's effect on (abstr.), 140
Goldblatt-type: effect of estrogen and epsilon-aminocaproic acid on (abstr.), 214
hyperreninemic malignant *h.*: hemodynamic mechanism of effects of propranolol in (abstr.), 149
in impaired renal function: vasoconstrictive, renin-dependent component in (abstr.), 141
labile *h.*: and prostaglandins (abstr.), 291
renal *h.*
clearances predicted by renal vein catheterization, 190
and errors found in renal vein sampling for plasma renin activity, 136
renovascular *h.*
in children: segmentary renal hypoplasia as cause (abstr.), 149
unilateral *r.h.*: saralasin's hemodynamic effects on (abstr.), 218
role of renin and sodium in maintaining blood pressure, 197
Hypertriglyceridemia
after transplantation: mechanism and treatment (abstr.), 380
impaired enzyme activity in (abstr.), 141
Hypocalcemia
in hemodialysis patients (abstr.), 379
Hypophysial deficiency
in chronic uremia (abstr.), 141

Ibuprofen
as therapy for young children with Bartter's syndrome (abstr.), 384
IgA-nephropathy
clinical course in adults (abstr.), 223
Immune-complex glomerulonephritis, *See* Glomerulonephritis, immune-complex, and Immunology
Immune complexes, serum
in membranoproliferative and other glomerulonephritides, 275
Immunology
anti-brush border membrane antibody and its antigenic determinants (abstr.), 380
of glomerulonephritis
basophil-mediating mechanism in (abstr.), 139
immune complexes in, 275, 318
postinfective (abstr.), 143
of glomerulopathy-associated neoplastic diseases, 297
of nephritis
chronic, 106
nephrotoxic: GBM permeability to albumin, 170
of plasma membranes from proximal tubule of dog, 348
serum complement and essential mixed cryoglobulinemia (abstr.), 149
of serum sickness, acute: kinetics of glomerular deposition of immune complexes (abstr.), 148
T-cell deficiency in immune complex glomerulonephritis, 318
in transplantation
donor cells prior to (abstr.), 381, 383
kidney and heart graft: prolongation of survival by active immunization (abstr.), 222
methylprednisolone's effect on recipient (abstr.), 382
monitoring after (abstr.), 382
Indomethacin
vs. aspirin for nephrotoxic serum nephritis (abstr.), 148
Insect epithelia
and transepithelial movements of potassium, 405
Insulin
role in potassium regulation, 443, 472
Interstitial nephropathy
bacterial infection as cause: diagnosis of (abstr.), 144
Ion transport
of tubular epithelium during ischemia, 86
Ischemia
effect on tubular epithelium, 86
renocortical: as feature of acute renal failure, 246
Isografts, renal
transmission of nephritis to, 106
Isoniazid therapy
for lymphocyte subpopulations (abstr.), 286
Isotonic fluid reabsorption in proximal tubule: effect of parathyroid hormone and cAMP on, 77
Iron
therapy and kinetics, in uremia (abstr.), 144

Juxtaglomerular apparatus
in hyperplasia: structure of (abstr.), 213
Juxtaglomerular cell cytoplasm and renin storage, 161

Kallikrein
physiologic role and localization of (abstr.), 214
Kanamycin
effect on uremia
nitrogen balance, 123
urea metabolism, 116

Labetalol
hemodynamic effects of (abstr.), 288
as hypotensive agent for renal disease (abstr.), 287
Lacrimal glands
and transepithelial movements of potassium 339
Lecithin-cholesterol acyltransferase in chronic uremia (abstr.) 141
Leydig cell
in chronic uremia (abstr.), 141
Lipids, plasma
and acetylcoenzyme A: in high mass-transfer hemodialysis, 366
Lithium therapy
effect on renin-angiotensin-aldosterone system (abstr.) 217
for inappropriate secretion of antidiuretic hormone (abstr.), 379
Lividomycin
pharmacokinetics of, in normal and impaired renal function (abstr.), 291
Loop of Henle
diuretic drugs' effect on, 1
potassium transport and, 415
as site of entry of prostaglandins into renal tubular fluid, 256
thick ascending limb: effect of adrenalectomy and glucocarticoid hormones on diluting capacity of (abstr.), 215
Luminal cell membrane
acidifying defect induced by amphotericin B, 261
and isotonic fluid reabsorption: effect of parathyroid hormone and cAMP, 77
Lung disease, chronic obstructive
effect of metabolic alkalosis on respiratory function in (abstr.), 379

Lupus erythematosus
serum immune complexes in membranoproliferative *g.*: compared with those in, 275
systemic: in Natal black and Indian patients (abstr.), 287
Lupus nephritis
clinical course in relation to treatment (abstr.), 148
Lymphomas
glomerulopathy-associated, 297

Mammary glands
and transepithelial movements of potassium, 399
Mathematical model
of rate of change of serum creatinine in chronic progressive renal disease, 62
Membrane permeability
to hydrogen vs. bicarbonate ions in urinary acidification, 261
Methylprednisolone
effect on *in vitro* parameters of immune response in transplant recipient (abstr.), 382
Micropuncture studies
of albumin: filtration and absorption by nephrotic rat, 9
of site of action of diuretic drugs, 1
Mineralocorticoids
and hyperkalemia following renal transplantation, 357
role in potassium adaptation, 469
Minimal change nephrosis
glomerular epithelium in: ultrastructure (abstr.), 141
Molecular charge
effect on glomerular permeability to ferritins, 44
Multiple myeloma
tubular basement membrane in (abstr.), 292
Muscle protein synthesis
in uremia, 236

Nail patella syndrome
with renal disease (abstr.), 291
Nandrolone decanoate
to treat anemia of dialysis patients (abstr.), 380
Natriuretic factors
in model for uremia, 209
in natriuresis, 93
Natriuretic hormone
vs. serum albumin to mediate fall in short-circuit current across toad skin (abstr.), 287
Nephritis
classic Heymann *n.* vs. passive *H.n.*: induced by antibodies to renal tubular epithelium, 106
chronic *n.*: induced by antibodies reacting with glomerular-bound immune complexes, 106
nephrotoxic *n.*: complement-independent increase in GBM permeability to albumin in, 170
nephrotoxic serum *n.*: SEM of podocyte in (abstr.), 143
Neomycin
effect on uremia
nitrogen balance, 123
urea metabolism, 116
Neoplastic diseases
and associated glomerulopathies, 297
Nephron loss
in chronic progressive renal disease: mathematical model, 62
Nephropathy, interstitial
bacterial infection as cause: diagnosis of (abstr.), 144
Nephronophthisis
clinical, pathologic, and genetic study of (abstr.), 223
Nephrotic syndrome
albumin filtration and absorption in, 9
care of African patient with (abstr.), 287
histopathologic pattern distribution and survival rates (abstr.), 223
molecular charge's effect on glomerular permeability in, 44
neoplastic diseases and, 297
pathologic picture in adult (abstr.), 286
and renal vein thrombosis: surgical treatment for (abstr.), 146
Nitrogen balance
in chronic uremia: effect of neomycin and kanamycin on, 123
Norepinephrine
and essential hypertension, 204
Nucleotides
effect on isotonic fluid reabsorption of proximal tubular cells, 77

Osmotic pump hypothesis
for regulation of proximal tubular reabsorption, 153
Osteodystrophy
ionized calciums in (abstr.), 285
renal *o.*
effect of combined therapy with aluminum hydroxide, high calcium bath, and vitamin D_2 on (abstr.), 381
effect of high calcium dialysate's on, 267
vitamin D therapy for (abstr.), 290
uremic *o.*
cholecalciferol therapy for (abstr.), 140
dihydroxycholecalciferol therapy for (abstr.), 140
Osteopenia
fluoride in dialysate for (abstr.), 214

Para-aminohippurate clearances
dependency on renal filtration fraction (abstr.), 215
predicted by renal vein catheterization, 190
Parathyroid hormone
effect on isotonic fluid reabsorption of proximal tubular cells, 77
high calcium dialysate's effect on, 267
Parathyroids
effect on renal response to phosphorus deprivation, 327
Penicillamine therapy
immune-complex pathogenesis of nephrotic syndrome induced by (abstr.), 219
Penicillin therapy
acute vasculitis after (abstr.), 293
Perfusion
morphologic evidence of perfusion injury in machine-preserved kidneys (abstr.), 384
tubular rate of: effect on reabsorption in proximal tubule, 18
Peritoneal dialysis, maintenance, *See also* Dialysis
Candida infections with (abstr.), 286
permanent catheters: effectiveness of (abstr.), 382
Peritonitis
aseptic *p.*: epidemic during chronic peritoneal dialysis (abstr.), 382
uremic *p.*: in children, treatment and prognosis (abstr.), 146

pH, intracellular, *See also* Acid-base studies and potassium
homeostasis, 433
Phosphorus
deprivation: renal response to, 327
Phosphate
infusion: effect on urinary carbon dioxide tension, 307
reabsorption
in patients with chronic glomerular kidney disease (abstr.), 147
postproximal site of (abstr.), 217
Platelets
kinetics of, in chronic renal failure (abstr.), 147
Podocyte
in nephrotoxic serum nephritis (abstr.), 143
Polycystic kidney disease
urine protein electrophoretic studies in adult patients with, and their families (abstr.), 382
Polyvinylpyrrolidone thesaurismosis
hypercalcemia secondary to corticotherapy in patient dialyzed with (abstr.), 293
Potassium
adaptation to, in vertebrates, 466
body stores of, 476
depletion
classification of, 483
effect on renal response to chronic acid load, 335
extracellular: effect on proximal renal tubule perfused in vitro (abstr.), 379
homeostasis
diuretics and, 505
and renal ammonia production, 453
in renal failure, 491
role of glucoregulatory hormones in, 443
Symposium on, 389
and intracellular pH, 433
serum *p.*: urinary carbon dioxide tension and, 307
transport
along renal tubule, sites and mechanisms of, 415
epithelial, 391
therapy: effectiveness of, 505
urinary *p.*: defect following renal transplantation, 357
Prazosin
for children with severe hypertension (abstr.), 288
Prednisone
to treat hypertriglyceridemia after transplantation (abstr.), 380
Pressor responses
to angiotensin: effect of sodium intake on, 28
Propranolol
in hyperreninemic malignant hypertension: hemodynamic study (abstr.), 149
role in plasma renin activity during dietary sodium restriction, 128
Prostaglandins
inhibitors of: to treat Bartter's syndrome (abstr.), 384
and sodium excretion by isolated perfused dog kidney (abstr.), 293
synthesis
arachidonic acid to stimulate renin release and (abstr.), 220
role after unilateral nephrectomy (abstr.), 219
role in renal function in acute salt-loading (abstr.), 213
urinary: site of entry into renal tubular fluid, 256
Protein
excretion: electrophoretic studies of adult patients with polycystic kidney disease and their families (abstr.), 382
plasma: long-term effects of dialysis on (abstr.), 143
synthesis: effect of uremia on, 236
Proteinuria
kidney biopsy and: clinical value of (abstr.), 224
in nephrotoxic nephritis: immunology of, 170
Proximal tubule, *See* Tubule, proximal
Pyelonephritis, chronic
retrospective study of (abstr.), 285

Renal artery stenosis
and errors found in renal vein sampling for plasma renin activity, 136
Renal blood flow
in acute renal failure, 35, 246
Renal disease
chronic
anemia in, pathogenesis of (abstr.), 144
treatment of (abstr.), 144
nail patella syndrome in (abstr.), 291
progressive
prevention by screening children with persistent urinary tract infections (abstr.), 147
serum creatinine concentration rate of change in, 62
ribonuclease activity in (abstr.), 381
serum and urinary fibrin-fibrinogen degradation products in (abstr.), 142
Renal energy metabolism
sodium reabsorption regulation and, 153
Renal failure
acute
hemodynamics in uranyl acetate-induced, 35
during magnesium-potasium-depletion cancer therapy (abstr.), 284
mercuric chloride-induced: effects of furosemide and ethacrynic acid or (abstr.), 218
normal renocortical blood flow in, 246
anemia in pathogenesis of (abstr.), 139
bromine content in blood in (abstr.), 289
chronic
bicarbonate treatment effect on cellular potassium in (abstr.), 140
care of African patient with (abstr.), 287
dialysis as therapy for children with (abstr.), 146
histidine metabolism and anemia of (abstr.), 145
intracellular Na, K, and H_2O in: comparative studies on leukocytes and muscle (abstr.), 147
plasma triglycerides modified by diet in, 54
platelet kinetics in (abstr.), 147
end-stage *r.f.*: and tuberous sclerosis (abstr.), 287
in marathon runners (abstr.), 287
potassium homeostasis in, 491
predictability of serum gentamicin concentration in (abstr.), 380
terminal *r.f.*: results from eleven years of treatment for, at Vancouver General Hospital (abstr.), 383
Renal hemodynamics, *See* Hemodynamics, renal
Renal insufficiency, chronic
alternative metabolic pathways for ammonia production in (abstr.), 144
fluoride in dialysate for (abstr.), 214
Renal vasodilation
during urine-reinfusion natriuresis, 93

Renal vein catheterization
individual renal clearances determined at, 190
Renal vein thrombosis
with nephrotic syndrome: surgical treatment for (abstr.), 146
Renin
in hypertension in impaired renal function (abstr.), 141
plasma
analysis of errors found in renal vein sampling for activity of, 136
in glomerulonephritis, after furosemide injection (abstr.), 142
secretion: effect of saralasin on (abstr.), 217
synthesis, storage, and release of: morphologic and biochemical study in rat, 161
Renin-aldosterone system
and hyperkalemia following renal transplantation, 357
lithium-activation of (abstr.), 217
and postassium homeostasis, 453, 494
in sodium depletion, 128
Renin-angiotensin system
role in mediating aldosterone response to Na-depletion, 128
and role of pressure-volume disturbance in essential hypertension, 204
sodium and renin: maintaining blood pressure, 197
Renin-angiotensin-aldosterone system
lithium-activation of (abstr.), 217
and potassium homeostasis in renal failure, 494
Ribonuclease
in patients with renal disease (abstr.), 381
Rosette formation, spontaneous
inhibition of, in patients on dialysis (abstr.), 144

Salivary glands
and transepithelial movements of potassium, 396
Saralasin
effect on renin secretion (abstr.), 217
unilateral renovascular hypertension and: hemodynamic effects (abstr.), 218
used to study renin and sodium in maintaining blood pressure, 197
Sarcoplasmic reticulum
effect of vitamin D on calcium transport by, in uremia, 227
Segmental hypoplasia, renal
classification of (abstr.), 289
as cause of renovascular hypertension in childhood (abstr.), 149
Seminiferous tubules
and transepithelial movements of potassium, 400
Serum nephritis, nephrotoxic
indomethacin vs. aspirin for (abstr.), 148
Serum sickness, acute
kinetics of glomerular deposition of immune complexes in rabbits with (abstr.), 148
Sisomicin
effect in kidney (abstr.), 290, 291
Sodium
depletion
effect on aldosterone production, 128
effect on renal response to chronic acid load, 335
in dialysate: study in prevention of osmotic imbalances (abstr.), 148
excretion, *See also* Natriuretic factors
in acute salt-loading: prostaglandins' role (abstr.), 213
after furosemide injection, in glomerulonephritis (abstr.), 142
effect of aortic constriction on, during extracellular volume expansion (abstr.), 291
and natriuretic factors in rat urine, 93
flux: in proximal tubule, effect of perfusion rate on, 18
intake: effect on glomerular and pressor responses to angiotensin, 28
reabsorption
renal energy metabolism and regulation of, 153
tubular: effect of prostaglandins on (abstr.), 293
transport
action of diuretic agent on (abstr.), 213
and Conn syndrome (abstr.), 290
in distal tubule: effect on urinary excretion of acid load, 181
effect of insulin on, 443
sodium pump and potassium homeostasis, 391
and renin: maintaining blood pressure, 197
Sodium bicarbonate, *See* Bicarbonate, sodium
Sodium-potassium activated adenosine triphosphatase
effect on sodium reabsorption in proximal tubule, 153
and potassium homeostasis in renal failure, 491
and potassium transport in tubules, 420
role in potassium adaptation, 468
Staphylococcus aureus
in recipients of renal transplants (abstr.), 379
Steroids
role in membranous glomerulonephritis (abstr.), 382
Sweat glands
and transepithelial movements of potassium, 399
Systemic circulation
response to angiotensin: effect of Na intake on, 28

T-cell
deficiency of, in immune complex glomerulonephritis, 318
Testicular deficiency
in chronic uremia (abstr.), 141
Thiazides
effect on hyperkalemia after renal transplantation, 357
Thyroadenolymphography
in uremic patients (abstr.), 148
Thyroids
effect on renal response to phosphorus deprivation, 327
and transepithelial movements of potassium, 404
Thrombotic microangiopathy
renal transplantation and immunologic abnormalities with (abstr.), 291
Transplantation, renal
in children: an evaluation (abstr.), 148
dialysis and: an integrated program (abstr.), 141
at Dijkzigt Hospital: 4-yr report (abstr.), 222
effect on erythropoietic changes in chronic uremia (abstr.), 140
effect of methylprednisolone on in vitro parameters of immune response in recipients of (abstr.), 382
endogenous *Staphylococcus aureus* infection in recipients of (abstr.), 379
for end-stage renal failure: a mortality study (abstr.), 147
facilities for, in S. Africa (abstr.), 284
fungal infections after (abstr.), 285
hyperacute rejection of, due to nonimmunologic cause (abstr.), 292

hyperkalemia after: mechanisms studied, 357
hypertriglyceridemia after: mechanism and treatment (abstr.), 380
immunology
immunologic monitoring after (abstr.), 382
positive immunologic reactions to donor cells prior to: significance of (abstr.), 381
pretransplant sensitization to donor antigens (abstr.), 383
preservation of kidneys for: test for and solution for (abstr.), 214
viability of preserved kidneys (abstr.), 145
Tricarboxylic acid cycle
effect of high mass-transfer of sodium acetate in hemodialysis on, 366
Triglycerides, plasma
modified by diet, in chronic renal failure, 54
Tubule
absorption of albumin in nephrotic rat, 9
collecting *t.*: diuretic drugs' effect on, 1
distal convoluted *t.*: diuretic drugs' effect on, 1, 221 (abstr.)
dysfunction: and hyperkalemia following renal transplantation, 357
ectasia: common cause of calcium stones? (abstr.), 384
epithelium
alterations during normothermic ischemia, 86
chronic nephritis induced by immunization with, 106
fluid: prostaglandins' site of entry into, 256
pH gradient: effect of potassium deficiency on, 335
postproximal *t.*: phosphate reabsorption: site (abstr.), 217
potassium transport along: sites and mechanisms of, 415
proximal *t.*
anti-brush border membrane antibody and its antigenic determinants (abstr.), 380
bicarbonate concentration in: effect on renal energy metabolism and sodium reabsorption, 153
characteristics of maturing: flux and ultrastructural study (abstr.), 216
diuretic drugs' effect on, 1
effect of extracellular potassium on: perfused in vitro (abstr.), 379
immunologic characterization of plasma membranes from, 348
isotonic fluid reabsorption in: effect of parathyroid hormone and cAMP on, 77
peptidase role in peptide reabsorption in (abstr.), 219
perfusion rate in: effect on reabsorption, 18
reabsorption: during urine-reinfusion natriuresis, 93
transport: during ischemia, 86
Tumors
glomerulopathy-associated, 297

Ultrafiltration
dynamics of, in acute ureteral obstruction (abstr.), 143
Urea
metabolism: effect of neomycin and kanamycin on, in chronic uremia, 116
in proximal tubule: effect of perfusion rate on, 18
production of, altered by diet-induced variations in protein metabolism, 236
Urea nitrogen
in chronic renal failure, effect of neomycin and kanamycin on, 116
Uremia
anemia in
and chronic dialysis: glucose-6-phosphate dehydrogenase and pyruvate kinase in erythrocytes (abstr.), 146
hormone factors (abstr.), 146
toxic factors in genesis of (abstr.), 145
chronic
diet therapy for (abstr.), 145
effect of neomycin and kanamycin on: 116, 123
erythropoietic changes in: effects of early dialysis and transplantation (abstr.), 140
hypophysial and Leydig cell functionality in (abstr.), 141
lecithin-cholesterol acyltransferase activity in (abstr.), 141
congestive cardiomyopathy in: hemodynamic and angiographic study (abstr.), 289
effect on nutritionally induced variations in protein metabolism, 236
effect of vitamin D on calcium transport by sarcoplasmic reticulum in, 227
free amino acid concentration in plasma and erythrocytes in (abstr.), 143
gastric secretion in (abstr.), 139
iron for: therapy and kinetics (abstr.), 144
methylguanidine's effect on ammonia production in (abstr.), 139
pericarditis in children with: treatment and prognosis (abstr.), 146
plasma triglycerides in, 54
renal function in: model using rat, 209
role of acidosis for disturbances of lipid metabolism in (abstr.), 221
thyroadenolymphography in (abstr.), 148
Ureteral catheterization
vs. renal vein catheterization for determining clearances, 190
Ureteral obstruction
effect on ultrafiltration (abstr.), 143
Urinary carbon dioxide tension
factors influencing the formation of, 307
Urinary tract infection
in children: in prevention of progressive renal damage (abstr.), 147
Urine autoinfusion
in model for uremia, 209
Urine
concentrating ability of, in acute renal failure, 35
Urolithiasis
and hypercalciuria: treated with chlorothiazide and sodium-cellulose-phosphate (abstr.), 221
relationship between water hardness and incidence of: in Newfoundland (abstr.), 381

Vitamin D
effect on calcium transport by sarcoplasmic reticulum in uremia, 227
for uremic osteodystrophy (abstr.), 140, 381
Vasculitis, acute
after penicillin therapy (abstr.), 293

Water absorption
in proximal convoluted tubule: effect of perfusion rate on, 18
Water hardness
related to high incidence of urolithiasis in Newfoundland (abstr.), 381
Wegener's syndrome
with rapidly progressive glomerulonephritis (abstr.), 284

Abrahams, S., 383
Acquarone, N., 139, 149
Adami, A., 139
Adhikari, D., 284
Aeikens, B., 213
Agolini, G., 145
Ahmed, M., 380
Albertazzi, A., 140
Allaria, P., 145
Alt, J., 220
Amiens, C.H.U., 290
Anelli, A., 149
Antonello, A., 144
Antonucci, F., 139
Apollonia, R., 145
Arbus, G. S., 384
Arias-Rodriguez, M., 291
Arisi, L., 143, 148
Arisz, L., 223, 224
Assailly, J., 289
Aubert, P., 292

Bachi, V., 140
Bader, C., 289
Baggio, B., 144
Bajardt, P., 141
Baker, R. S., 379
Baldamus, C., 220
Balfe, J. W., 384
Balsamo, A., 141
Bandini, S., 139
Banfi, G., 140, 142, 147
Barberis, L., 144
Barbiano di Belgioioso, G., 143 *(2)*
Bariety, J., 291
Barjon, P., 289
Basile, G., 146
Bassi, M., 148
Basso, T., 148
Batsford, S. R., 220
Bear, R.A., 379, 381
Beaufils, H., 290
Becaus, I., 291
Bedrossian, J., 290
Beer, G., 215
Bellinvia, C., 146
Benveniste, J., 139
Bertaglia, E., 139
Bertoli, M., 139
Bertolini, A., 146
Bettcher, K. B., 381, 382
Biagini, M., 146
Bianchi, C., 148
Biggi, A., 140
Bignardi, L., 148
Birkenhäger, W.H., 223
Black, W.A., 379
Blanchard, P., 290
Bloch, C., 286
Bohle, A., 213, 215
Bonomini, V., 140 *(2)*
Bonora, G., 139
Bonthuis, F., 222
Bonuomo, F., 148
Bordi, G., 143
Bordier, P., 290
Borghetti, A., 140 *(2)*, 147
Borghi, L., 140, 147
Borgnino, L.C., 141
Borsatti, A., 144
Bortolotti, G.C., 140
Botha, R., 285
Bowmer, I., 380
Brancaccio, D., 140, 147
Brandi, F., 142
Brass, H., 217
Brentjens, J.R.H., 223, 224
Bringolf, M., 289
Brunner, F. P., 218
Bruno, M., 141
Bruschi, G., 140, 147
Brutel de la Riviere, G., 222
Bruzzone, M., 139, 149
Burman, N.D., 284 *(2)*
Busch, G., 216
Bux, H., 219
Buzio, C., 143 *(2)*

Cagnoli, L., 141, 148
Cairoli, G. C., 148
Cambi, V., 143, 145, 148
Cameron, E.C., 379
Campanacci, L., 141, 145
Campieri, C., 141
Campobasso, O., 147
Camussi, G., 139, 148
Canali, M., 140, 147
Canavese, C., 141
Candi, P., 148
Canese, M.G., 147
Cannella, G., 147
Cantaluppi, A., 141, 142, 147
Cantarini, G., 139
Cantu, P., 145
Capelli, G., 142
Cardinal, J., 379
Carozzi, S., 142
Carretta, R., 145
Casanova, S., 141, 148
Casartelli, G., 148

Casciani, C.U., 149
Case, N., 147
Castellani, A., 142
Cattran, D., 380 *(2)*
Cavadas, A., 285
Cendarelli, G., 141
Chamberlain, L., 381
Chanard, J., 289
Chant, S., 380
Chatelanat, F., 292
Chavaz, A., 293
Churchill, D., 380
Churchill, D.N., 381
Ciardi, M.R., 147
Cicogna, A., 144
Cioffi, A., 143, 148
Cohanim, M., 384
Colasanti, G., 143 *(2)*
Colantonio, G., 148
Colombi, M., 143, 148
Comparini, L., 139
Compiano, U., 139
Conte, F., 143, 148
Conventi, L., 144
Coovadia, H. M., 284
Cornelis, R., 289
Corradi, A., 143
Coutoudis, C., 289
Cremer, L.M.H., 223
Cristinelli, L., 142, 147
Crosnier, J., 289
Curci, G., 147

Dadone, C., 144
Dal Canton, A., 143
Dalla Dea, A., 149
Dall'Aglio, P., 143 *(2)*
D'Amico, P., 144, 148
D'Angelo, A., 147
Darby, T., 382
Darnis, F., 292
Dechenne, C., 292
Deedat, Y.K., 287
Deetjen, P., 217
De Ferrari, G., 139, 144, 149
de Filippis, U., 141
de Gruyl, J., 222
Dei Poli, M., 143
de Leeuw, P.W., 223
Delling, G., 214
Delmonte, G., 143
De Luca, H.F., 290
De Maio, F., 146
Demanet, J.C., 289
De Matteo, J., 289
Dembowski, J., 213
de Rougemont, D., 218
Deschamps, A., 292
De Simone, C., 144
De Troyer, A., 289
deVeber, G.A., 382
De Vecchi, A., 147
de Wardener, H.E., 286
d'Hollander, A., 293
Diderich, P.P.N.M., 222
Di Filippo, G., 148
Dijks, J., 223
di Landro, D., 139
Di Maio, G., 142
Di Ruscio, A., 148
Disler, P., 284, 286
Distler, A., 218
Doht, B., 214
Donini, U., 141
Dorge, A., 213
Dorhout Mees, F.J., 223
Dorn, D., 214
Dörr, R., 215
Dosseter, J.B., 381, 382
Droz, D., 292
Drüeke, T., 289
Ducobu, J., 293
Dupont, E., 293
Durante, A., 143, 148
Düsing, R., 213
Dyck, R., 381

Eenboom, A., 213
Ehrig, U., 383
Erdmann, W. D., 213
Erslev, A.J., 144 *(2)*
Ettinger, G., 220

Fabbri, L., 144
Fabre, J., 290
Faccini, L., 145
Farma, A., 148
Favaro, S., 144
Favre, H., 290, 292
Feldman, W., 379
Feletti, C., 140
Fenton, S., 380
Fenton, S.S.A., 380
Ferri, L., 141
Fiaschi, E., 144
Fillastre, J.P., 291
Filoramo, F., 144
Fiorio, P., 146
Fischer, A., 219
Fischer, W., 214
Fodor, G., 381
Formicucci, L., 146
Fourcade, J., 289
Fournier, A., 290
Fox, S., 383
Franz, H.E., 218
Frei, U., 216
Frohlich, J., 379
Frontini, A., 141
Fruttero, B., 141
Fuchs, C., 214
Funck-Brentano, J.L., 289
Furman, K.I., 284, 286
Fusaroli, M., 144

Gagnadoux, M.F., 291
Galaske, R., 220
Galmozzi, C., 140
Ganeval, D., 292
Garcia, J., 292

Garderet, P., 289
Garibotto, G., 139, 144, 149
Garini, G., 145, 148
Gasparotto, L., 139
Gaudiano, V., 145
Gault, M.H., 380, 381
Geiger, R., 214
Gessler, W., 214
Giangrande, A., 145
Gillen, M., 381
Giorcelli, G., 141
Giordano, C., 145
Giovannetti, S., 145
Girndt, J., 214
Gluckman, J. C., 290
Godolphin, W., 379
Godon, J.P., 290
Goldmann, S.F., 218
Goldstein, M., 381
Goldstein, M. B., 379
Grabec, M., 379
Graindorge, P., 292
Grassi, M.G., 148
Graziani, G., 140, 147
Greger, R., 217
Gregolin, C., 141
Gregorini, G., 142
Gregory, M.C., 284
Greven, J., 215
Guariglia, A., 140
Guarnieri, G.F., 145
Guarnieri, G.G., 141
Guéris, J., 290
Guerisse, P., 293
Guerra, L., 143, 147, 149
Guerra, P.U., 142
Guittienne, B., 291
Gurreri, G., 144
Gusmano, R., 146 *(2)*, 147
Gutsche, H.U., 215
Guz, A., 286

Haagsma-Schouten, W.A.G., 221
Haberle, D.A., 215
Habib, R., 291
Halperin, M.L., 379
Hammeke, M., 379
Hansen, L., 221
Haslbeck, R., 220
Hecking, E., 215
Heidler, R., 214
Heidrich, H.G., 214
Heintz, R., 217
Held, E., 219
Helenon, C., 293
Helmchen, U., 215 *(2)*
Henning, H.V., 214
Heritier, P., 292
Heyns, A. du P., 286
Ho, M., 379, 381
Hoedemaeker, P.J., 223, 224
Hogewind, B.L., 222
Hohenegger, M., 221
Hoppe, A., 213
Hornych, A., 291
Horster, M., 216
Hoste, J., 289
Howson, W., 383
Humbert, G., 291
Huriet, C., 291
Hurley, R.M., 379
Hussein, M.M., 287

Imbasciati, E., 147
Isaacson, L. C., 287
Izatt, S., 382 *(2)*

Jagjivan, D., 284
Jarzylo, S., 384
Jennings, V., 285, 287
Jewkes, R., 286
Joekes, A.M., 287, 288
Johnson, M., 381
Jungers, P., 289, 292

Kallmeyer, J., 285, 287 *(2)*
Kanfer, A., 291
Kaplan, B.S., 288
Karanicolas, S.,382 *(3)*
Katz, A., 381
Kay, K., 286
Keeton, G.R., 285
Keller, M., 218
Kelton, J., 382
Kemper, R., 217
Kennedy, A., 285
Keown, P., 382, 384
Kessler, M., 291
Kipkie, G.F., 382
Klein, H., 215
Kleinknecht, C., 291
Klouda, P., 292
Kluthe, R., 220
Knauf, H., 216
Kneissler, U., 215
Knoll, O., 216
Knox, F.G., 217
Koch, K.M., 216
Kolloch, R.E., 216
Kooiker, C.J., 223
Korber, H., 219
Kostering, H., 214
Kourilsky, O., 220, 291
Kovithavongs, T., 381, 382
Kraayenbrink, M., 285
Kramer, H.J., 213
Kregeler, M., 219
Kriz, W., 217
Krück, F., 213, 216
Kumar, S., 383
Kuntziger, H.E., 291

L'Abbate, A., 146
Laidley, L., 285, 287
Lamberts, B., 217
Lambooy, I., 224
Lameijer, L.D.F., 222 *(2)*
Lameire, N., 291
Lamperi, S., 142 *(2)*, 146
Lang, F., 217

Larsson, C., 220
Larsson, L., 216
Lazic, D., 285
Le Pailleur, C., 289
Leroy, A., 291
Leski, M., 289, 292
Levin, C., 288
Levine, E., 285
Levy, M., 291
Lewin, J., 284
Lewis, J., 288
Lewis, M., 287
Licini, R., 141
Limido, A., 145
Limido, D., 148
Linari, F., 141
Lockwood, J.F.B., 384
Loew, H., 216
London, G., 291
Lübeke, R., 216
Lucchetti, P., 145
Lusvarghi, E., 146, 147

MacSearraigh, E., 285, 287 *(2)*
Mader, H., 215
Maestri, O., 147
Maggiore, Q., 146, 149
Mahieu, P., 292
Maiorca, R., 142
Maira, G., 142
Malmusi, G., 146, 148
Mangiafico, G., 141
Mangiarotti, G., 141
Mann, K., 214
Manning, R. F., 382
Mantero, F., 149
Manz, F., 214
Marangella, M., 141
Marcus, J., 288
Marcus, P. B., 286
Marella, I., 148
Marenghini, S., 149
Marie, P., 290
Mariss, P., 219
Marrink, J., 223
Martin, G., 144
Martinelli, F., 139
Martinelli, S., 141
Maruccio, G.F., 143
Mathews, R. E., 382
Maurer, R., 219
Maurice, F., 291
Mazzarella, V., 149
Mazzitelli, R., 146
McDowell, K., 383
McGirr, D., 382, 383
McIntosh, C., 214
McNamara, A., 380
Mecca, G., 141
Meilhac, B., 289
Meinders, A.E., 224
Menicocci, D., 149
Messa, P., 147
Meyer, W.A., 216
Meyers, A., 284, 285
Meyers, A.M., 285 *(2)*, 286, 287
Meyrier, A., 291
Mignon, F., 293
Migone, L., 143 *(2)*, 145, 148
Miladinovic, Z., 215
Mileti, M., 142
Milliez, P., 291
Milne, F.J., 285 *(2)*, 286, 287
Milne, J., 284, 285, 288
Mimmo, R., 148
Mimran, A., 289
Minelli, F., 149
Minielly, J., 383
Mioni, G., 140, 142, 147
Mitton, R., 382
Molinelli, G., 142
Mollo, F., 147
Mombelloni, S., 142
Monga, G., 147
Monnens, L., 224
Montanari, A., 140, 147
Monti, G.F., 145
Monzani, G., 149
Mooy, J.M.V., 222
Moracchiello, M., 141
Moran, J., 143
Morel-Maroger, L., 220, 291
Morrin, P. A. F., 382
Moti, A., 288
Muggli, F., 148
Müller, G., 217
Müller, H., 216
Mulli, J.C., 292
Murphy, K., 286
Murray, T.M., 381
Mustacchi, G., 145
Mutti, A., 140
Myburgh, J. A., 285
Mycyk, T., 382

Nessim, V., 291
Niedermayer, W., 215
Noel, L.H., 292
North-Coombes, D., 285
Novarini, A., 140 *(2)*, 147

Ochs, H.G., 217
Oksenhendler, G., 291
Olinsky, A., 288
Olivetti, G., 145
Oosthuizen, O.J., 286
Oreopoulos, D., 380, 382 *(2)*
Osswald, H., 217
Ovaleo-Pandolfo, E., 145

Pacitti, A., 141
Pagano, F., 149
Paillard, F., 292
Palestro, G., 147
Palsma, D.M.H., 224
Panzetta, G., 147
Papio, A., 139
Passerini, G., 149

Pauleau, N., 293
Pauw, F.H., 286 *(2)*
Pavanello, L., 148
Pazderka, F., 381, 382
Perfumo, F., 146 *(2)*, 147
Perin, N., 139
Peters, D.K., 143
Philipp, T., 218
Phillipson, E.A., 379
Piccoli, G., 139, 148
Pielsticker, K., 218
Pitton, L., 140
Pizza, G., 148
Poessé, H.M., 223
Poisetti, P.G., 143
Pokroy, M.V., 288
Ponticelli, C., 142, 147, 149
Porkroy, N., 288
Posen, G.A., 382
Potvliege, P., 293
Poupon, R., 292
Price, J.D.E., 379, 383
Prina, M.G.G., 144
Purcell, H., 286
Pylypchuk, G., 383

Quarenghi, M.I., 148
Querido, D., 287

Rabin, E.Z., 381, 382
Rabkin, R., 287
Ragni, A., 143
Ragni, R., 148
Rauber, G., 291
Reale, E., 219
Redaelli, B., 144
Reeve, C.E., 383
Rendaelli, B., 148
Retief, F.P., 286
Reveillaud, R. J., 292
Richard, C., 293
Richardson, B., 380
Richet, G., 291, 293
Rick, R., 213
Rickards, D., 287
Ringoir, S., 289, 291
Rivolta, E., 147
Rizzoni, G., 148, 149
Romagnoli, F., 139
Rossi, E., 148
Rossi, R., 148
Rothberg, A., 288
Rovinetti, C., 148
Rudhardt, M., 290
Ruhland, G., 215
Russo-Marie, F., 289

Safar, M., 291
Safer, A., 219
Salant, D., 284, 285 *(2)*
Salant, D.J., 287
Salvadori, M., 139
Sanchez, F., 290
Sarperi, M., 147

Saruggia, M., 148
Sasdelli, M., 141, 148
Savazzi, G., 148
Scarpioni, L., 143
Schärer, K., 214
Scheler, F., 214 *(2)*
Scherer, B., 219, 220
Schiff, H., 287
Schlaut, J., 381, 382
Schmid, C., 148
Schmidt, U., 216
Schmidt-Wiederkehr, P., 218
Schmitz, H.J., 217
Schneider, H., 288
Schnermann, J., 217
Schulz, A., 214
Schulz, W., 214
Schurek, H.J., 220
Sebert, J.L., 290
Seedat, Y.K., 287
Seelig, H.P., 219
Seeling, R., 219
Segoloni, G., 141, 148
Sepp, H., 382
Sessa, A., 143, 148
Setari, M., 149
Seurot, A., 289
Sforzini, S., 148
Sgandurra, A., 146
Shimizu, A., 380, 382
Shires, R., 285
Siess, W., 219
Silbernagl, S., 219
Silverman, M., 380
Simatupang, T.A., 223
Sinclair, N.R., 383
Smith, D., 291
Smith, E.K.M., 383
Smith, J., 222
Smith, M. D., 220
Sodi, A., 139
Spandrio, L., 142
Spiliopoulos, A., 292
Sraer, J. D., 220, 291
Stanziale, R., 143
Steiner, G., 380
Sterzel, R. B., 219
Stiller, C. R., 379, 382 *(2)*, 383, 384
Stolte, H., 220
Stratta, P., 141, 148
Stühlinger, W., 220
Stumpe, K.O., 216
Szabunia, L., 285

Taccone Gallucci, M., 144, 149
Takamiya, H., 220
Tam, C., 381
Tarantino, A., 142, 143, 147, 149
Tattrie, B., 381
Taugner, R., 217
Tessitore, N., 147
Teuscher, U., 221
Thatcher, G.N., 288
Thiel, G., 218

Thosenes, G.H., 218
Thoenes, W., 213
Thompson, F.D., 287, 288
Thompson, P.D., 288 *(2)*
Thoua, Y., 293
Tizianello, A., 139, 144, 149
Torhorst, J., 218
Tosi, P., 139
Toussaint, C., 293

Uhlich, E., 220
Ulan, R.A., 382 *(2)*, 383, 384
Ursini, F., 141

Vacha, G., 141
Vaessen, L.M.B., 222
Vagge, R., 142
Vahanian, A., 293
Valente, M., 141
Vancini, C., 149
van Collenburg, J.J.M., 223
van der Berg, D.J., 286
van der Hem, G.K., 224
van der Peet, J., 223
Vanherweghem, J.L., 293 *(2)*
van Leusen, R., 224
van Neerbos, B.R., 224
van Wieringen, P., 224
Variawa, Y., 288
Vastenburg, G., 224
Vegeto, A., 146
Verbeelen, D., 293
Vercellone, A., 139, 141, 148
Vernier, O., 144
Verroust, P., 220
Verroust, P. J., 291
Vetter, H., 216
Vezzadini, P., 139
Viljoen, M., 287
Viscoli, C., 147
Vogt, A., 220
VonLanthen, M., 292

Wais, U., 216
Wallace, A.C., 384
Waterloos, M.A., 291
Weber, P., 220 *(2)*
Weber, P.C., 219
Weinberger, V., 381
Weiss, Y., 291
Wernze, H., 217
Westboek, D.L., 222
Wiederholt, M., 221
Wilson, D.R., 380, 383
Wolff, E.D., 384

Yendt, E.R., 384

Zacchello, F., 148, 149
Zacchello, G., 148, 149
Zegers de Beyl, D., 289
Zellerman, G., 382
Zimmermann, E., 221
Zingraff, J., 289
Zoccali, C., 146, 149
Zschiedrich, H., 218
Zucchelli, P., 141, 144